

L5 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2000 ACS  
 ACCESSION NUMBER: 1997:293995 CAPLUS  
 DOCUMENT NUMBER: 126:282543  
 TITLE: Hair-bleaching agents containing xanthan gum  
 INVENTOR(S): Ozeki, Hiroyuki; Kasugai, Masaaki  
 PATENT ASSIGNEE(S): Hoyu Kk, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
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 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 09067235	A2	19970311	JP 1995-246862	19950830
AB	Hair-bleaching agents contain <b>persulfate</b> salts, oxidizing agents, and xanthan gum. The agents show viscosity stability and do not damage and uniformly bleach the hair. A hair bleach was formulated by dissolving 25 g of a compn. contg. <b>Na persulfate</b> 45, <b>(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub></b> 10, <b>Na<sub>2</sub>CO<sub>3</sub></b> 20, <b>Na lauryl sulfate</b> 4, <b>EDTA-2Na</b> 1, <b>quaternary ammonium</b> -contg. <b>cellulose ether</b> 5, and <b>Keltrol</b> (xanthan gum) 15 wt.% in 100 mL of an aq. 6% H <sub>2</sub> O <sub>2</sub> soln.				
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ST	hair bleach xanthan gum <b>persulfate</b> oxidant				
IT	Hair preparations (bleaches; hair-bleaches contg. <b>persulfate</b> salts, oxidizing agents, and xanthan gum)				
IT	Cationic polyelectrolytes <b>Cationic surfactants</b> Oxidizing agents (hair-bleaches contg. <b>persulfate</b> salts, oxidizing agents, and xanthan gum)				
IT	<b>Quaternary ammonium</b> compounds, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (hair-bleaches contg. <b>persulfate</b> salts, oxidizing agents, and xanthan gum)				
IT	112-03-8, Stearyltrimethylammonium chloride 7722-84-1, Hydrogen <b>peroxide</b> , biological studies 7722-84-1D, Hydrogen <b>peroxide</b> , addn. products with sodium sulfate or sodium pyrophosphate 7722-88-5D, addn. products with hydrogen <b>peroxide</b> 7727-21-1, Potassium <b>persulfate</b> 7727-54-0, Ammonium <b>persulfate</b> 7757-82-6D, Sodium sulfate, addn. products with hydrogen <b>peroxide</b> 7775-27-1, Sodium <b>persulfate</b> 9004-34-6D, Cellulose, ethers, <b>quaternary ammonium</b> -contg. 15630-89-4, Sodium percarbonate RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (hair-bleaches contg. <b>persulfate</b> salts, oxidizing agents, and xanthan gum)				
IT	11138-66-2, Keltrol				

~6g H<sub>2</sub>O<sub>2</sub>  
 94g H<sub>2</sub>O  
 25g Bleach  
 125g total

4.8% H<sub>2</sub>O<sub>2</sub>  
 11% persulfates  
 1% cat.  
 surf.

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);  
BIOL (Biological study); USES (Uses)  
(hair-bleaches contg. **persulfate** salts, oxidizing agents, and  
xanthan gum)